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Tetsuo ENDO  
Akio OZAKI

10       $\langle 130 \rangle$  11229

<151> 1999-08-30

15  $\langle 160 \rangle$  8

 $\langle 210 \rangle$  120  $\langle 211 \rangle$  391

&lt;212&gt; PRT

<213> *Synechocystis* sp. (PCC6803)

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Leu His Gln Asp Val Leu Pro Phe Trp Glu Lys Tyr Ser Leu Asp Arg  
20 25 30

30

Gln Gly Gly Gly Tyr Phe Thr Cys Leu Asp Arg Lys Gly Gln Val Phe  
35 40 45

Asp Thr Asp Lys Phe Ile Trp Leu Gln Asn Arg Gln Val Trp Gln Phe  
35            50                    55                            60





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	tta cac cag gac gta ttg ccc ttt tgg gaa aaa tat tcc ctc gat cgc	96			
	Leu His Gln Asp Val Leu Pro Phe Trp Glu Lys Tyr Ser Leu Asp Arg				
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	cag ggg ggc ggt tac ttt acc tgc tta gac cgt aaa ggc cag gtt ttt	144			
	Gln Gly Gly Gly Tyr Phe Thr Cys Leu Asp Arg Lys Gly Gln Val Phe				
	35 40 45				
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	gac aca gat aaa ttc att tgg tta caa aac cgt cag gta tgg cag ttt	192			
	Asp Thr Asp Lys Phe Ile Trp Leu Gln Asn Arg Gln Val Trp Gln Phe				
	50 55 60				
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	gcc gtt ttc tac aac cgt ttg gaa cca aaa ccc caa tgg tta gaa att	240			
	Ala Val Phe Tyr Asn Arg Leu Glu Pro Lys Pro Gln Trp Leu Glu Ile				
	65 70 75 80				
	gcc cgc cat ggt gct gat ttt tta gct cgc cac ggc cga gat caa gac	288			
20	Ala Arg His Gly Ala Asp Phe Leu Ala Arg His Gly Arg Asp Gln Asp				
	85 90 95				
	ggt aat tgg tat ttt gct ttg gat cag gaa ggc aaa ccc ctg cgt caa	336			
	Gly Asn Trp Tyr Phe Ala Leu Asp Gln Glu Gly Lys Pro Leu Arg Gln				
25	100 105 110				
	ccc tat aac gtt ttt tcc gat tgc ttc gcc gcc atg gcc ttt agt caa	384			
	Pro Tyr Asn Val Phe Ser Asp Cys Phe Ala Ala Met Ala Phe Ser Gln				
	115 120 125				
30					
	tat gcc tta gcc agt ggg gcg cag gaa gct aaa gcc att gcc ctg cag	432			
	Tyr Ala Leu Ala Ser Gly Ala Gln Glu Ala Lys Ala Ile Ala Leu Gln				
	130 135 140				
35					
	gcc tac aat aac gtc cta cgc cgt cag cac aat ccc aaa ggt caa tac	480			
	Ala Tyr Asn Asn Val Leu Arg Arg Gln His Asn Pro Lys Gly Gln Tyr				

	145	150	155	160									
	gag aag tcc tat cca ggt act aga ccc ctc aaa tcc ctg gcg gtg ccg												528
	Glu Lys Ser Tyr Pro Gly Thr Arg Pro Leu Lys Ser Leu Ala Val Pro												
5		165	170	175									
	atg att tta gcc aac ctc acc ctg gag atg gaa tgg tta tta ccg cct												576
	Met Ile Leu Ala Asn Leu Thr Leu Glu Met Glu Trp Leu Leu Pro Pro												
		180	185	190									
10													
	act acc gtg gaa gag gtg ttg gcc caa acc gtc aga gaa gtg atg acg												624
	Thr Thr Val Glu Glu Val Leu Ala Gln Thr Val Arg Glu Val Met Thr												
		195	200	205									
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	gat ttc ctc gac cca gaa ata gga tta atg cgg gaa gcg gtg acc ccc												672
	Asp Phe Leu Asp Pro Glu Ile Gly Leu Met Arg Glu Ala Val Thr Pro												
		210	215	220									
	aca gga gaa ttt gtt gat agt ttt gaa ggg cgg ttg ctc aac cca gga												720
20	Thr Gly Glu Phe Val Asp Ser Phe Glu Gly Arg Leu Leu Asn Pro Gly												
		225	230	235	240								
	cac ggc att gaa gcc atg tgg ttc atg atg gac att gcc caa cgc tcc												768
	His Gly Ile Glu Ala Met Trp Phe Met Met Asp Ile Ala Gln Arg Ser												
25		245	250	255									
	ggc gat cgc cag tta cag gag caa gcc att gca gtg gtg ttg aac acc												816
	Gly Asp Arg Gln Leu Gln Glu Gln Ala Ile Ala Val Val Leu Asn Thr												
		260	265	270									
30													
	ctg gaa tat gcc tgg gat gaa gaa ttt ggt ggc ata ttt tat ttc ctt												864
	Leu Glu Tyr Ala Trp Asp Glu Glu Phe Gly Gly Ile Phe Tyr Phe Leu												
		275	280	285									
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	gat cgc cag ggc cac cct ccc caa caa ctg gaa tgg gac caa aag ctc												912
	Asp Arg Gln Gly His Pro Pro Gln Gln Leu Glu Trp Asp Gln Lys Leu												

006280 1254950

	290	295	300	
	tgg tgg gta cat ttg gaa acc ctg gtt gcc cta gcc aag ggc cac caa			960
	Trp Trp Val His Leu Glu Thr Leu Val Ala Leu Ala Lys Gly His Gln			
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	gcc act ggc caa gaa aaa tgt tgg caa tgg ttt gag cgg gtc cat gat			1008
	Ala Thr Gly Gln Glu Lys Cys Trp Gln Trp Phe Glu Arg Val His Asp			
		325	330	335
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	tac gcc tgg agt cat ttc gcc gat cct gag tat ggg gaa tgg ttt ggc			1056
	Tyr Ala Trp Ser His Phe Ala Asp Pro Glu Tyr Gly Glu Trp Phe Gly			
		340	345	350
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	tac ctg aat cgc cgg gga gag gtg tta ctc aac cta aaa ggg ggg aaa			1104
	Tyr Leu Asn Arg Arg Gly Glu Val Leu Leu Asn Leu Lys Gly Gly Lys			
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20	Trp Lys Gly Cys Phe His Val Pro Arg Ala Leu Trp Leu Cys Ala Glu			
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